

**What is claimed is:**

1. An arrangement for charging a plurality of equipment batteries, the arrangement comprising:

a primary battery; and

5 a charging circuit that is adapted to charge the equipment batteries by automatically alternating a power connection from the primary battery to each of the equipment batteries, one battery at a time.

2. The arrangement of claim 1, further including a wiring harness assembly adapted  
10 to permit charging of the plurality of equipment batteries while the batteries are being towed.

3. The arrangement of claim 2, wherein the charging circuit automatically stops  
charging one of the equipment batteries and begins charging another of the equipment  
15 batteries according to a circuit-defined time interval.

4. The arrangement of claim 2, wherein the charging circuit automatically stops  
charging one of the equipment batteries and begins charging another of the equipment  
batteries according to a user-established time interval.

20 5. The arrangement of claim 2, wherein the charging circuit automatically stops  
charging one of the equipment batteries and begins charging another of the equipment

batteries in response to an indication that said one of the equipment batteries has reached a sufficiently-charged threshold level.

6. The arrangement of claim 2, wherein the charging circuit automatically stops  
5 charging one of the equipment batteries and begins charging another of the equipment batteries at a time that is defined as a function of a user-defined expected travel time.